

IN THE CLAIMS:

1. (ORIGINAL) Method for arranging SIM (Subscriber Identity Module) facility (11.1) to digital wireless terminal equipment (A, D) communicating in a data communication network (10), wherein the said SIM facility (11.1) is associated with a processor functionality and memory devices for storing application, subscriber and network specific data (13.1, 13.4, 14.1, 14.4) and wherein the terminal equipment (A, D) is also associated with a processor functionality (SJE) for carrying out of dynamic applications, characterised in that at least a main part of the application, subscriber and network specific data (13.1, 13.4, 14.1, 14.4) implementing the SIM facility is downloaded into the terminal equipment (A, D) through the data communication network (10).
2. (ORIGINAL) Method according to claim 1, characterised in that the terminal equipment (A, D) and the data communication network (10) are equipped with a downloading application (16.1, 16.4, 15) for downloading of the said SIM data (13.1, 13.4, 14.1, 14.4).
3. (CURRENTLY AMENDED) Method according to claim 1 ~~or~~ 2, characterised in that the said data communication network (10) is associated with a functionality (15) for management of the said SIM data and devices (13, 14) for storing it.
4. (CURRENTLY AMENDED) Method according to ~~any~~ claim 1 –3, characterised in that when SIMless terminal equipment (A, D) connects to the data communication network (10), the following steps are carried out
 - identification information is formed at the terminal equipment (A, D) for downloading of the established SIM data (13.1, 13.4, 14.1, 14.4) (202),
 - the identification information is transmitted to the management functionality (15) arranged in connection with the data communication network (10) (203.1),

- a data transmission session is set up and carried out between the terminal equipment (A, D) and the management functionality (15) for downloading of the said SIM data (13.1, 13.4, 14.1, 14.4) into the terminal equipment (A, D) (205.1 - 205.2, 206 - 207),
- the SIM application is carried out at the terminal equipment (A, D) (208), and
- the user interface is made free at the terminal equipment (A, D) (210).

5. (CURRENTLY AMENDED) Method according to ~~any~~ claim 1 –4, characterised in that when transferring the SIM facility from a first piece of terminal equipment (A) to a second piece of terminal equipment (B) the following steps are carried out

- at the first piece of terminal equipment (A) possible measures are taken for transferring the SIM facility (301),
- a data transmission session is set up and carried out between the first piece of terminal equipment (A) and the management functionality (15) for transferring the said SIM data (13.1, 13.4, 14.1, 14.4) to be in connection with the management functionality (15) (303.1, 303.2, 304.1, 304.2),
- the data arranged in connection with the management functionality (15) and transferred from the terminal equipment (A) is synchronised (305), and
- the said second piece of terminal equipment (B) is used to connect with the data communication network (10) in order to download a SIM facility having the same identification information.

6. (ORIGINAL) Method according to claim 5, characterised in that identification information is also formed in order to activate the new SIM facility.

7. (ORIGINAL) Method according to claim 6, characterised in that equipment-specific data arranged in connection with the terminal equipment (A) is used to form the said identification information.
8. (CURRENTLY AMENDED) Method according to claim ~~4~~~~or 5~~, characterised in that the status of the SIM facility of the terminal equipment (A, B) is updated as one subordinated step.
9. (CURRENTLY AMENDED) Method according to ~~any~~ claim 5—8, characterised in that SIM data is destroyed at the first piece of terminal equipment (A) as one subordinated step.
- 10.(CURRENTLY AMENDED) Method according to ~~any~~ claim 1—9, characterised in that in the terminal equipment (A, B) a physical SIM processor card is arranged, which includes a dynamic processor environment (SJE) for carrying out of downloaded applications.
- 11.(CURRENTLY AMENDED) Method according to ~~any~~ claim 1—10, characterised in that at least a part of the data (13.1, 14.1) to be downloaded and/or transferred is compressed.
- 12.(CURRENTLY AMENDED) Method according to ~~any~~ claim 1—11, characterised in that at least a part of the data (13.1, 14.1) to be downloaded and/or transferred is encrypted.
- 13.(CURRENTLY AMENDED) Method according to ~~any~~ claim 1—12, characterised in that the said SIM application data (14.1) includes SIM logic.

- 14.(CURRENTLY AMENDED) Method according to ~~any~~ claim 1—13, characterized in that the said SIM application data (14.1) includes algorithms, such as, for example, algorithms relating to authentication and/or encryption of the network.
- 15.(CURRENTLY AMENDED) Method according to ~~any~~ claim 1—14, characterised in that the downloading of SIM data (13.1, 14.1) into the terminal equipment (A, B) is carried out locally.
- 16.(ORIGINAL) Digital wireless terminal equipment (A, D), in connection with which a SIM (Subscriber Identity Module) facility (11.1) is arranged, which includes a processor functionality and memory devices for storing application, subscriber connection and network specific data (13.1, 14.1, 13.4, 14.4) and wherein a processor functionality (SJE) is also arranged in connection with the terminal equipment (A, D) for carrying out of dynamic applications, characterised in that at least a main part of the application, subscriber connection and network specific data (13.1, 14.1, 13.4, 14.4) implementing the SIM facility is arranged for downloading into the terminal equipment (A, D) through the data communication network (10).
- 17.(ORIGINAL) Server (12) for arranging SIM facility to digital wireless terminal equipment (A, D), wherein the server (12) is arranged in connection with a data communication network (10) and wherein the SIM facility includes application, subscriber connection and network specific data (13.1, 14.1, 13.4, 14.4) characterised in that the server (12) has a functionality (15) for management of the data belonging to the said SIM facility and devices (13, 14) for storing the data and wherein the management functionality (15) is associated with a routing application for downloading the said SIM data (13.1, 14.1, 13.4, 14.4) into the said terminal equipment (A, D) through the data communication network (10).